



San José State
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Fostering Data Use and Exchange in Evaluation

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Barriers to Fostering

- Time to Establish Common Scenarios or rationalize and register differences
 - Scenario Specificity, Regional, Facility ...
- Metric Variability
 - INTEGRA, NASA VAMS....
- Experimental Design
 - Within, Between, Mixed, varied levels of rigor
 - Publication standards
 - Peer reviews



Further Barriers to Fostering

- Corporate Issues
 - Match or mismatch between reliability, robustness and generalizability of results vs the range and scope of decision
 - Uncertainty analysis as a required product of analysis
- Scarce resources
 - Time and Effort to coordinate
 - VDR



Yet Further Barriers to Fostering

- Multiple Concept elements interact
 - How to understand the marginal benefit of each
 - The interaction (amplification/damping/negation)
 - SME (subject expert to identify the issues in generalizing)
 - Cognitive Task Analysis



Motivation to Foster

- Enlightened Self-interest and the business case
- Legislated morality (sponsor required)
- Pay for services
 - Use my elements provide a quid pro quo
- Ownership Issues
- Quality assurance issues
- Certification
- Incremental development
- Modularity